

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

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PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3657 as follows:

§3657. Elevating Employees with Lift Trucks.

(a) Scope and application. Where a lift truck is used to elevate personnel, the operation shall comply with subsections (a) through (j) of this standard. Where a variable reach (boom type) rough terrain lift truck is used to elevate personnel, the operation shall comply with subsection (k), in addition to subsections (a) through (j).

NOTE: Only operator-up high lift trucks are designed to lift personnel. Other types of lift trucks should not be used to elevate personnel unless there is no other practical option.

(b) ~~Employees shall not be elevated using an industrial truck unless the following conditions are met:~~ A work platform shall be used in accordance with the following conditions.

(1) The platform shall be of sufficient size, ~~but not less than 24" x 24" (.61 meters x .61 meters)~~ to accommodate the ~~employee~~ personnel and material being elevated but not less than 2 feet by 2 feet.

(2) The platform shall be secured to the forks or mast to prevent tipping, slipping or falling.

(3) The platform shall meet the guardrail and toeboard requirements of section 3210.

EXCEPTION: Guardrails are not required where a clearance restriction or the nature of the work prohibits the use of guardrails provided that a safety belt, or harness, with lanyard is used in accordance with Section 3656(e).

(4) The platform floor shall have no spaces or holes greater than one inch; ~~and,~~

(5) The platform floor shall have a slip resistant surface.

~~(6) (c) Lift trucks used to elevate employees after the effective date of this subsection~~ shall be equipped with a means to prevent the raised platform ~~from~~ from lowering at a rate in excess of 135 feet per minute in case of a failure in the load supporting hydraulic control circuits.

~~(b) Where a clearance restriction or the nature of the work prohibits the use of guardrails, a safety belt, or harness, with lanyard shall be used as described in section 3656(e).~~

~~(e) (d) Wherever~~ the truck is operated under conditions which expose the operator to danger from falling objects, the truck shall be equipped with overhead protection.

~~(d) (e)~~ There shall be an operator in the control position on the truck while employees are on the elevated platform.

~~(e) (f) Whenever~~ a truck is equipped with vertical only, or vertical and horizontal controls ~~elevatable~~ that elevate with the lifting carriage or forks, means shall be provided whereby personnel on the platform can shut off the motive power of the truck.

~~(f) (g)~~ Means shall be provided to render inoperative all operating controls other than those on the ~~elevatable~~ elevating platform when the controls on the ~~elevatable~~ elevating platform have been selected for use. Only one location of controls shall be capable of being operated at one time.

~~(g) (h)~~ All bridge cranes or other moving or motorized equipment which could overrun or otherwise injure the elevated worker shall be shut down or locked out.

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~~(h)~~ (i) Employees shall not sit, climb or stand on the platform guardrails or use planks, ladders or other devices to gain elevation.

~~(i)~~ (j) Operating Rules ~~Whenever Elevating Personnel~~. Before elevating personnel, ~~employees~~ the lift truck operator shall be instructed to: observe the following rules.

(1) Use a securely attached ~~safety~~ work platform.

(2) Make sure the lifting mechanism is operating smoothly.

(3) If the lift truck is equipped with a mast, Make sure that the mast is vertical. The mast shall not be tilted forward or rearward while persons are elevated.

(4) Place the truck in neutral and set the parking brake.

(5) Lift and lower personnel smoothly and with caution.

(6) ~~Watch for~~ Make sure the path of the work platform travel is clear of hazards such as projections, overhead obstructions, and electrical wires.

(7) Keep hands and feet clear of controls other than those in use.

(8) Never travel with personnel on the work platform. ~~other than to make~~ If the lift truck is equipped with a mast, minor movements of the lift truck are permitted for final positioning of the platform.

~~(9) Never sit, climb or stand on the platform guardrails or use planks, ladders or other devices to gain elevation.~~

(k) Where a variable reach (boom type) rough-terrain lift truck is used to elevate personnel the operation shall comply with the following conditions, in addition to the requirements of subsections (a) through (j).

(1) If an information plate is provided for elevating personnel, then the work platform shall be loaded and positioned within the limitations on the information plate.

(2) If there is no information plate provided for elevating personnel, then the combined weight of the work platform, load, and personnel shall not exceed one third of the rated capacity of the rough-terrain lift truck at the related load center position as indicated on the information plate for regular loads.

(3) The rough-terrain lift truck shall be placed on firm footing. If the truck is equipped with outriggers, the outriggers shall be deployed. If necessary, the outriggers shall be placed on cribbing to prevent them from sinking in soft soil under load.

(4) Each person on a work platform supported by variable reach rough-terrain lift truck shall use a personal fall restraint system or positioning device system as defined in Section 3207 of these Orders in accordance with the requirements of Section 1670 of the Construction Safety Orders.

(A) A lanyard shall be attached to each person's harness or safety belt and to an anchorage provided on the work platform.

(B) Anchorages shall be capable of supporting the greater of 3000 pounds or twice the intended load.

(C) For positioning device systems the combination of anchorage location and lanyard length shall be arranged so that workers cannot fall more than two feet from the work platform.

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(D) For personal fall restraint systems the combination of anchorage location and lanyard length shall be arranged to allow the movement of employees only as far as the sides of the work platform.

(5) Operating rules. Before elevating personnel with a variable reach rough-terrain lift truck the operator shall be instructed to observe the following rules.

(A) Set the forks to level and set the hydraulic control for the forks to prevent the forks from being tilted up or down.

(B) Alert elevated personnel before moving the platform, then move the platform smoothly and with caution.

(C) Lower the work platform to ground level if any adjustments must be made to positioning of the lift truck.

(D) Make sure the boom travel is vertical. Do not operate on a side slope unless the rough-terrain lift truck is leveled.

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.